IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Frank A. Skraly

Serial No.: 10/661,939 Art Unit: Not Yet Assigned

Filed: September 12, 2003 Examiner: Not Yet Assigned

For: *POLYHYDROXYALKANOATE PRODUCTION BY COENZYME A-DEPENDENT ALDEHYDE DEHYDROGENASE PATHWAYS*

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §1.56 and 37 C.F.R. §1.97, Applicant submits an Information Disclosure Statement, including seven (7) pages of Form PTO-1449 and copies of sixty-five (65) documents cited therein.

This Information Disclosure Statement is being filed under 37 C.F.R. § 1.97(b) prior to a first Office Action on the merits. It is believed that no fee is required with this submission. However, should a fee be required, the Commissioner is hereby authorized to charge any required fees to Deposit Account No. 50-1868.

U.S. Patents

Number	Issue Date	Patentee	Class/Subclass
4,477,654	10-16-1984	Holmes et al.	528/361
4,910,145	03-20-1990	Holmes et al.	435/259
5,245,023	09-14-1993	Peoples et al.	536/23.2
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5,563,239	10-08-1996	Hubbs et al.	528/361
6,329,183	12-11-2001	Skraly et al.	435/135

Foreign Documents

Number	Publication Date	Patentee	Country
WO 99/14313	03-25-1999	Metabolix, Inc.	PCT
WO 00/43523	07-27-2000	Metabolix, Inc.	PCT

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Remarks

This statement should not be interpreted as a representation that an exhaustive search has been conducted or that no better art exists. Moreover, Applicant invites the Examiner to make an independent evaluation of the cited art to determine its relevance to the subject matter of the present application. Applicant is of the opinion that his claims patentably distinguish over the art referred to herein, either alone or in combination.

Respectfully submitted,

Patrea L. Pabst
Reg. No. 31,284

Dated: December 23, 2003

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I hereby certify that this Information Disclosure Statement, along with any paper referred to as being attached or enclosed, is being deposited with the United States Postal Service on the date shown below with sufficient postage as first-class mail in an envelope addressed to the Assistant Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Peggy Bailey

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known	
Application Number	10/661,939
Filing Date	September 12, 2003
First Named Inventor	Frank A. Skraly
Group Art Unit	
Examiner Name	
Attorney Docket Number	MBX 048

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	US Patent Document Number	Kind Code[2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		4,477,654		Holmes et al.	10-16-1984	
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		PCT	WO 99/14313		Metabolix, Inc.	03-25-1999		
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		AGOSTINI, et al., "Synthesis and Characterization of Poly-ß-Hydroxybutyrate. I. Synthesis of Crystalline DL Poly-ß-Hydroxybutyrate from DL- ß-Butyrolactone," *Polym. Sci.* Part A-1 9:2775-87 (1971).	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known	
Application Number	10/661,939
Filing Date	September 12, 2003
First Named Inventor	Frank A. Skraly
Group Art Unit	
Examiner Name	
Attorney Docket Number	MBX 048

Sheet 5 of 7

OTHER ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T[2]
		MADISON & HUISMAN, "Metabolic engineering of poly(3-hydroxyalkanoates): from DNA to plastic," *Microbiol. Mol. Biol. Rev.* 63(1): 21-53 (1999).	
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		POZNANSKAYA & KORSOVA, "Some physicochemical parameters of reactions catalyzed bu glycerol dehydratase," *Biokhimiya* 48: 539-543 (1983).	
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		SKRALY, et al., "Construction and characterization of a 1,3-propanediol operon," *Appl. Environ. Microbiol.* 64: 98-105 (1998).	
		SLATER, et al., "Production of poly-(3-hydroxybutyrate-co-3-hydroxyvalerate) in a recombinant *Escherichia coli* strain," *Appl. Environ. Microbiol.* 58: 1089-1094 (1992).	

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		STEINBÜCHEL & VALENTIN, "Diversity of bacterial polyhydroxyalkanoic acids," *FEMS Microbiol. Lett.* 128:219-28 (1995).	
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		VALENTIN, et al., "Identification of 4-hydroxyvaleric acid as a constituent of biosynthetic polyhydroxyalkanoic acids from bacteria," *Appl. Microbiol. Biotechnol.* 36: 507-514 (1992).	
		WILLIAMS & PEOPLES, "Biodegradable plastics from plants," *CHEMTECH* 26:38-44 (1996).	
		WILLIAMS & PEOPLES, "Making plastics green," *Chem. Br.* 33:29-32 (1997).	

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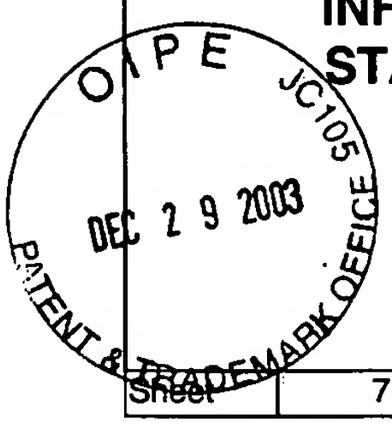

Sheet	7	of	7

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		XIE, et al., "Ring-opening polymerization of ß –butyrolactone by thermophilic lipases," *Macromolecules* 30:6997-98 (1997).	
		ZHANG, et al., "Production of polyhydroxyalkanoates in sucrose-utilizing recombinant *Escherichia coli* and *Klebsiella* strains," *Appl. Environ. Microbiol.* 60: 1198-1205 (1994).	

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